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WHAT IS CLAIMED IS:

1	 An electrosurgical probe, comprising:
2	a return electrode including a return electrode head and a return
3	electrode filament, the return electrode head comprising a return electrode coil;
4	an active electrode including an active electrode head and an active
5	electrode filament; and
6	a connection block adapted for coupling the probe to an
7	electrosurgical power supply, the return electrode filament and the active electrode
8	filament independently coupled to the connection block.
9	
1	2. The probe of claim 1, wherein the return electrode coil
2	comprises from about 3 to 10 turns.
3	
1	3. The probe of claim 1, wherein the return electrode coil
2	comprises about 6 turns.
3	
1	4. The probe of claim 1, wherein the return electrode coil
2	comprises a helix having a pitch in the range of from about 0.010 to 0.045 inches.
3	
1	5. The probe of claim 1, wherein the return electrode coil has an
2	external diameter in the range of from about 0.070 to about 0.200 inches.
3	
1	6. The probe of claim 1, wherein the return electrode coil is
2	oriented substantially parallel to the longitudinal axis of the return electrode
3	filament.
4	
1	7. The probe of claim 1, wherein the return electrode coil is
2	wound from a length of wire having a distal terminus, and the wire distal terminus
3	is arranged within the return electrode coil.
4	

8. The probe of claim 1, wherein the return electrode coil is wound in a proximal direction, wherein the first turn of the return electrode coil is located at the distal end of the return electrode coil.

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1		9.	The probe of claim 1, wherein the return electrode filament .
2	has a diamete	r in the	range of from about 0.008 to 0.030 inches.
3			
1		10.	The probe of claim 1, wherein a gap exists between each turn
2	of the return of	electrod	e coil.
3			
1		11.	The probe of claim 10, wherein the gap is adapted for
2	retaining an e	lectrica	Ily conductive liquid against a surface of the return electrode
3	head.		
4			
1		12.	The probe of claim 1, wherein the active electrode filament
2	lies within an	interna	l void of the return electrode coil.
3			
1		13.	The probe of claim 1, wherein the active electrode head .
2	comprises a h	ook or	a coil.
3			
1		14.	The probe of claim 1, wherein the active electrode filament
2	comprises a n	netal wi	ire having a diameter in the range of from about 0.006 to 0.020
3	inches.		
4			
1		15.	The probe of claim 1, wherein the active electrode head
2	comprises an	active 6	electrode coil.
3			
1		16.	The probe of claim 15, wherein the active electrode coil
2	comprises fro	m abou	t 0.5 to 1.5 turns.
3			
1		17.	The probe of claim 15, wherein the active electrode coil is
2	oriented subs	tantially	orthogonal to the return electrode coil.
3			
1		18.	The probe of claim 17, wherein the active electrode filament
2	lies substantia	illy para	allel to the return electrode filament.
3			

3

lumen extrusion.

1	CB-11	19.	The marks of claim 15 subscript the cative classes to had
1			The probe of claim 15, wherein the active electrode head
2	includes a divid	ding p	ortion, wherein the dividing portion is arranged within the
3	active electrode	e coil.	
4			
1	:	20.	The probe of claim 19, wherein the dividing portion at least
2	partially divide	s a vo	oid within the active electrode coil.
3			
1	;	21.	The probe of claim 20, wherein the dividing portion divides
2	the void within	the a	ctive electrode coil into two substantially equal portions.
3			
1	:	22.	The probe of claim 19, wherein the dividing portion is
2	arranged at an	angle	in the range of from about 30° to 60° with respect to the
3	longitudinal ax	is of t	he active electrode filament.
4	•		
1		23.	The probe of claim 1, further comprising an electrically
2	insulating space	er loca	ated proximal to the active electrode head.
3	0 1		
1	:	24.	The probe of claim 23, wherein the spacer encircles the distal
2	end of the activ	e elec	ctrode filament.
3			
1	:	25.	The probe of claim 23, wherein the spacer comprises a
2			a silicone rubber.
3	our annie, a gran	., ., .	a smooth Papper.
1		26.	The probe of claim 24, wherein the spacer comprises alumina
2	•	20.	The probe of claim 24, wherein the spacer comprises alumina
		27.	The make of claim 1. South as a supplied as
1			The probe of claim 1, further comprising: a
2			ousing the connection block, and a shaft having a shaft distal
3	tace and a shaf	t prox	imal end, the handle affixed to the shaft proximal end.
4			
1	2	28.	The probe of claim 27, wherein the shaft comprises a multi-

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1		29.	The probe of claim 27, wherein the probe further comprises a
2	an aspiration	lumen i	internal to the shaft.
3			
1		30.	The probe of claim 29, wherein the aspiration lumen
2	terminates dis	stally in	an aspiration port.
3			
1		31.	The probe of claim 30, wherein the shaft distal face includes a
2	first plane and	d a seco	and plane, and wherein the aspiration port occupies a portion of
3	the first plane	and a	portion of the second plane.
4			
1		32.	The probe of claim 31, wherein the second plane extends
2	proximally fr	om the	first plane.
3			
1		33.	The probe of claim 32, wherein the second plane subtends an
2	angle in the r	ange of	from about 40° to 50° with respect to the first plane.
3			
1		34.	The probe of claim 27, further comprising a fluid delivery
2	lumen interna	l to the	shaft.
3			
1		35.	The probe of claim 34, wherein the fluid delivery lumen
2	terminates dis	tally in	a fluid delivery port, the fluid delivery port located at the shaft

1

2 3

distal face.

36. The probe of claim 35, wherein at least a portion of the return electrode coil is aligned with the fluid delivery port.

1 2 3

37. The probe of claim 1, wherein the active electrode and the return electrode each comprises a material selected from the group consisting of molybdenum, platinum, tungsten, palladium, iridium, titanium, and their alloys.

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38. An electrosurgical probe, comprising:

aspiration lumen.

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2	a shaft comprising a multi-lumen extrusion, the shaft having a shaft
3	proximal end portion and a shaft distal end portion; .
4	an electrode assembly at the shaft distal end portion; and
5	a connection block adapted for coupling the electrode assembly to an
6	electrosurgical generator.
7	
1	39. The probe of claim 38, wherein the multi-
2	lumen extrusion comprises a plastic tube.
3	
1	40. The probe of claim 38, wherein the multi-lumen extrusion
2	comprises a polyurethane elastomer.
3	
1	41. The probe of claim 40, wherein the polyurethane elastomer is
2	polyether based and includes from about 0.5% to 4% of carbon black.
3	
1	42. The probe of claim 38, wherein the multi-lumen extrusion
2	includes a plurality of interior lumens.
3	
1	43. The probe of claim 38, wherein the multi-lumen extrusion
2	includes first, second, third, and fourth lumens.
3	
1	44. The probe of claim 43, wherein the electrode assembly
2	includes a return electrode and an active electrode, and the first and second lumens
3	accommodate the return electrode and the active electrode, respectively.
4	
1	45. The probe of claim 43, wherein the third lumen comprises a
2	fluid delivery lumen.
3	
1	46. The probe of claim 45, wherein the third lumen terminates
2	distally in a fluid delivery port.
3	
1	47. The probe of claim 43, wherein the fourth lumen comprises an

1 2

1	48.	The probe of claim 47, wherein the fourth lumen terminates
2	distally in an aspirat	ion port.
3		

- 49. The probe of claim 42, wherein each of the plurality of interior lumens has a diameter in the range of from about 0.015 inch to 0.100 inch.
- 50. The probe of claim 38, wherein the electrode assembly comprises an active electrode, the active electrode including an active electrode filament and an active electrode head.
- 51. The probe of claim 50, wherein the active electrode head comprises a hook.
- 52. The probe of claim 50, wherein the active electrode head comprises an active electrode coil having about 1 turn.
- 53. The probe of claim 52, wherein the active electrode head includes a dividing portion, the dividing portion spanning the active electrode coil to form a plurality of voids within the active electrode coil.
- 54. The probe of claim 38, further comprising a handle affixed to the shaft proximal end portion, the handle housing the connection block.
- 55. The probe of claim 52, wherein the active electrode comprises a metal wire selected from the group consisting of molybdenum, platinum, tungsten, palladium, iridium, titanium, and their alloys.
- 56. The probe of claim 52, wherein an edge of the active electrode coil is offset from the longitudinal axis of the active electrode filament by a minimum distance in the range of from about 0.008 to about 0.016 inches.

3 .

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	57.	The probe of claim 52, wherein the active electrode coil has a	
diameter in t	he range	e of from about 0.050 to 0.150 inches.	
	58.	The probe of claim 38, wherein the electrode assembly further	
		lectrode, the return electrode including a return electrode	
filament and	a return	electrode head.	
	59.	TT	
-1		The probe of claim 58, wherein the return	
electrode nea	a comp	rises a return electrode coil having from about 3 to 10 turns.	
	60.	The probe of claim 58, wherein the probe further comprises a	
connection bl			
		pted for coupling the probe to a high frequency power supply,	
block.	i electic	de filament distal end is coupled directly to the connection	
DIOCK.			
	61.	An electrosurgical probe, comprising:	
	a shaft	having a shaft proximal end portion and a shaft distal end	
portion; and		•	
	an elec	ctrode assembly at the shaft distal end portion, the electrode	
assembly com		an active electrode and a return electrode, the return electrode	
disposed within a lumen of the shaft, the return electrode in the form of a return			
		urn electrode coil having an internal void, and the return	
electrode dista	al termin	nus arranged within the internal void.	
	62.	The probe of claim 61, wherein the return electrode coil has	
		i die retain electrode con has	

- from about 3 to 10 turns.
- 63. The probe of claim 61, wherein the internal void is substantially cylindrical.
- 64. The probe of claim 61, wherein the return electrode distal terminus is located at the proximal end of the internal void.

- 3			
1		65.	The probe of claim 61, wherein the shaft comprises a multi-
2	lumen tube h	aving	a plurality of lumens therein.
3			
1		66.	The probe of claim 65, wherein the multi-lumen tube is an
2	extrusion pro	duct.	
3			
1		67.	The probe of claim 66, wherein the multi-lumen tube
2	comprises a j	polyeth	er based polyurethane elastomer.
3			
1		68.	The probe of claim 61, wherein the active electrode comprises
2	an active elec	ctrode o	coil having from about 0.5 to 1.5 turns.
3			
1		69.	The probe of claim 68, wherein the active electrode further
2	comprises a c	lividin	g portion arranged within the active electrode coil.
3			
1		70.	The probe of claim 69, wherein the dividing portion defines
2	two voids wit	thin the	active electrode coil.
3			
1		71.	The probe of claim 68, wherein the active electrode coil is
2	flattened.		
3			
1		72.	The probe of claim 71, wherein the active electrode coil is
2	offset from th	e longi	itudinal axis of the shaft distal end portion.
3			•
1		73.	An electrosurgical probe, comprising:
2		a shaf	t having a shaft proximal end portion and a shaft distal end
3	portion; and	u onu.	t maying a share proximal cha portion and a share distanced
-	r		
4		an ele	ctrode assembly at the shaft distal end portion, the electrode
5	assembly comprising an active electrode and a return electrode, the active electrode		

comprising a metal disc.

7	CP-11		
1		74.	The probe of claim 73, wherein the active electrode head has
2	a sharp edge.		p-111 of them 75, who fold the delive electrone head has
3			
1		75.	The probe of claim 72 further aggregation a bould be
2			The probe of claim 73, further comprising a handle housing a sering the return electrode includes a distal end portion and a
3			the proximal end portion inserted directly in the connection
4	block.	ortion,	the proximal end portion inserted directly in the connection
5			
1	•	76.	An electrosurgical probe, comprising:
2	:	a shaft	having a shaft proximal end portion and a shaft distal end
3	portion;		
4	ŧ	a returi	n electrode comprising a return electrode coil; and
5	á	an activ	ve electrode having a distal end portion and a proximal end
6	portion, the dis	tal end	portion comprising an active electrode coil having from abou
7			ctive electrode coil oriented substantially orthogonal to the
8	return electrode	coil.	•
9			
1			The electrosurgical probe of claim 76, wherein the active
2			a dividing portion, the dividing portion at least partially
3	spanning an inte	ernal v	oid within the active electrode coil.
4			
1			The probe of claim 76, wherein the active electrode coil is
2			n cross-section, the active electrode including a dividing
3			ng portion bisecting the coil at an angle of about 45 degrees
4	with respect to	the sha	ft distal end portion.
5	_		
1		9.	The probe of claim 76, wherein the active
2	electrode coil is	Tlatten	ed.

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1	80.	The electrosurgical probe of claim 76, wherein the active
2	electrode coil is su	bstantially disc-shaped.
3		
1	81.	The probe of claim 76, wherein the return electrode coil

- 81. The probe of claim 76, wherein the return electrode coil comprises from about 3 to 10 turns.
- $82. \qquad \text{The electrosurgical probe of claim 76, wherein the active electrode lies within the return electrode coil.}$